

Office Action Summary

Application No.

09/577,231

Applicant(s)

LEWIS, LUNDY

Examiner

David E. England

Art Unit

2143

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 May 2004.
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 4 and 13 - 62 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) 4 and 13 - 62 is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☒ The drawing(s) filed on 26 September 2000 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.124(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

1. Claims 4 and 13 – 62 are presented for examination.

Drawings

1. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the reasoning mechanism comprises a state-transition graph or codebook reasoning system must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.
2. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, a value for the service parameter is determined from a value of the parameter for the associated network component must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as “amended.” If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. The replacement sheet(s) should be labeled “Replacement

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Sheet” in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 112

3. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

4. Claims 33, 34 and 37 – 43 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

5. The claimed invention does not specifically show the use of the reasoning mechanism comprises of a state-transition graph reasoning system and/or a codebook reasoning system for determining the condition of the service. Please amend or clarify claim language.

6. The limitation of rule repository of claims 37 and 43 are not specifically disclosed in the specification. Please amend or clarify claim language.

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7. Claims 38 – 42 are rejected under 35 U.S.C. 112, first paragraph because of the dependency on the claims that are discussed above.

8. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

9. Claims 14, 15, 28, 29 and 50 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

10. The specification teaches different parameters and values but it is unclear as to which ones of parameters and/or values are states or what the state is specifically representing, please clarify.

11. Claims 15 and 29 are rejected under 35 U.S.C. 112, second paragraph because of the dependency on the claims that are discussed above.

Claim Rejections - 35 USC § 102

12. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/577,231	05/23/2000	Lundy Lewis	C0441/7165 (TAH)	3634
959	7590	09/24/2004	EXAMINER	
LAHIVE & COCKFIELD, LLP. 28 STATE STREET BOSTON, MA 02109			ENGLAND, DAVID E	
			ART UNIT	PAPER NUMBER
			2143	

DATE MAILED: 09/24/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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5. The claimed invention does not specifically show the use of the reasoning mechanism comprises of a state-transition graph reasoning system and/or a codebook reasoning system for determining the condition of the service. Please amend or clarify claim language.

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(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

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The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

13. Claims 4, 13 – 17, 19 – 35, 37 – 53 and 55 – 62 are rejected under 35 U.S.C. 102(e) as being anticipated by Yemini et al. (6249755) (hereinafter Yemini).

14. Referencing claim 27, as closely interpreted by the Examiner, Yemini teaches a system for monitoring a service supporting a business process under service level management in association with a service level management domain, the service level management domain including an enterprise management system comprising an interface configured to communicate with at least one of a network management system, a system management system, an application management system and a traffic management system, the business process being performable in connection with a portion of a network, the system comprising:

15. a mapping mechanism for associating a component of the network to the service supporting the business process under service level management in association with the service level management domain, (e.g. col. 2, lines 4 – 46);

16. a monitoring mechanism for monitoring a parameter of the associated network component, the parameter indicating an operational characteristic of the network component, (e.g. col. 2, lines 4 – 46); and

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17. a reasoning mechanism for determining a condition of the service from the parameter of the monitored network component, (e.g. col. 1, lines 24 – 64); and
18. a service monitoring mechanism for monitoring the condition of the service supporting the business process to provide service level management of the business process, (e.g. col. 2, lines 4 – 46).
19. Referencing claim 28, as closely interpreted by the Examiner, Yemini teaches the mapping mechanism associates a parameter of the service with the parameter of the associated network component, the service parameter comprising a variable having a state which represents an operational characteristic of the service provided by the network, (e.g. col. 2, lines 4 – 46).
20. Referencing claim 29, as closely interpreted by the Examiner, Yemini teaches a value for the service parameter is determined from a value of the parameter of the associated network component, (e.g. col. 8, lines 17 – 67).
-
21. Referencing claim 30, as closely interpreted by the Examiner, Yemini teaches the reasoning mechanism comprises a rule-based reasoning system for determining the condition of the service teaches, (e.g. col. 2, line 47 – col. 3, line 50).
22. Referencing claim 31, as closely interpreted by the Examiner, Yemini teaches the reasoning mechanism comprises a model-based reasoning system for determining the condition of the service, (e.g. col. 5, lines 42 – 64).

23. Referencing claim 32, as closely interpreted by the Examiner, Yemini teaches the reasoning mechanism comprises a case-based reasoning system for determining the condition of the service, (e.g. col. 3, line 51 – col. 4, line 27).

24. Referencing claim 33, as closely interpreted by the Examiner, Yemini the reasoning mechanism comprises a state-transition graph reasoning system for determining the condition of the service, (e.g. col. 12, line 54 – col. 13, line 7, “*causality graph*”).

25. Referencing claim 34, as closely interpreted by the Examiner, Yemini teaches the reasoning mechanism comprises a codebook reasoning system for determining the condition of the service, (e.g. col. 9, lines 1 – 30).

26. Referencing claim 35, as closely interpreted by the Examiner, Yemini teaches the reasoning mechanism determines the condition of the service from a mathematical simulation of the service, (e.g. col. 24, line 29 – col. 25, line 8).

27. Referencing claim 40, as closely interpreted by the Examiner, Yemini teaches the operation invokes a query to a database to determine the operational characteristic of the network component, (e.g. col. 7, lines 9 – 60).